

Avtron LPS

Resistive/Reactive, High Capacity, Portable Load Bank - 937.5 to 2500 KVA

Testing Your Emergency Standby Generator with a Load Bank Means Reliability When it Matters Most.

Key Features

- Resistive and Reactive Loading
- Outdoor Weatherproof Design
- Single Point Load Connection
- Modern Hand-Held PLC Controller
- Aluminized Steel Construction
- Vertical Air Discharge

Superior Avtron quality combined with simple operation and maintenance will provide years of trouble free service.

Avtron's extensive line of Load Bank and Industrial Resistor Products are solid performers used throughout the world.

For total technical support or additional information, please contact Avtron at (216) 573-7600 or LBsales@Emerson.com.

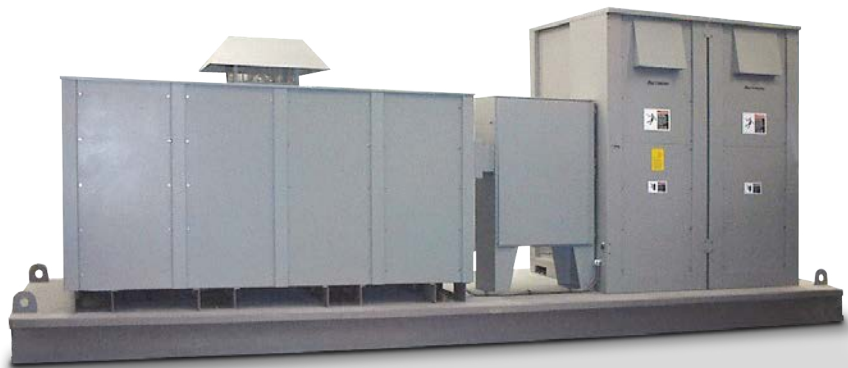
Quality System Certified to ISO 9001

The Avtron Model LPS Load Bank is ideal for high power resistive/reactive testing of AC power systems.

The Avtron LPS Load Bank System provides an economical and convenient means for high capacity resistive and reactive loading of AC power systems such as diesel generator sets, turbines, or Uninterruptible Power Supplies (UPS). Many specifications and local codes demand that such testing be performed at less than unity power factor, typically 0.8 p.f. lagging. To achieve a 0.8 power factor, the LPS combines resistive load (KW) with reactive load (KVAR). This combination provides a true test of the actual generator or UPS nameplate rating (KVA) and simulates a "real world" load.

The LPS features a durable, water resistant and lightweight remote Hand Held Controller. This controller is "user friendly" and controls the functions of the entire system. The controller displays Volts, Amps, Frequency, KW, KVAR, KVA, and Power Factor along with any alarm conditions.

The LPS System is integrated on a rugged structural steel skid with provisions for overhead, four point lifting. The LPS load bank system is ideal for high power resistive and reactive testing of AC generating systems in factory production lines or in the field after installation.



LPS 1875 KVA Portable Resistive/Reactive Avtron Load Bank.

Avtron LPS

Resistive/Reactive High Capacity, Portable Load Bank - 937.5 to 2500 KVA

Specifications subject to change without notice.

Construction

The system consists of individual resistive and reactive load banks, and a load connection box factory mounted on a rugged structural steel skid. All load bank exterior panels are constructed out of aluminized steel for superior corrosion protection. Hot air exhaust is vertical away from personnel.

Controls

The entire system is controlled by a rugged, compact (7" x 7" x 2"), lightweight Hand Held Controller. The controller is easy to operate and load values are activated by pressing a membrane style keypad. All resistive, reactive, jog, and blower functions are displayed on an LCD display. A hard wired E-Stop push button is provided on the controller. The controller communicates to load bank PLC via a 200' cable with an MS style connector.

Resistor Elements

The resistive elements are manufactured from corrosion resistant chromium alloy wire and are fully supported on stainless steel rods for long life.

Reactive Elements

The reactive elements are non-saturating single and 3 phase iron core reactors impregnated with high dielectric varnish.

Cooling

The LPS resistive elements are cooled by two integrally mounted fan motors each rated 10 HP, 460 VAC, 3 phase, 60 Hz.

Protection

The LPS features branch circuit fusing on all load steps and overtemperature protection. Air switches on the fans are electrically interlocked to remove load if air flow is not sufficient to provide proper cooling.

Typical Capacity Ratings

Total Load KVA at 0.8 p.f.	Resistive Load KW	Reactive Load KVAR
937.5	750	562.5
1250	1000	750
1562	1250	937.5
1875	1500	1125
2500	2000	1500

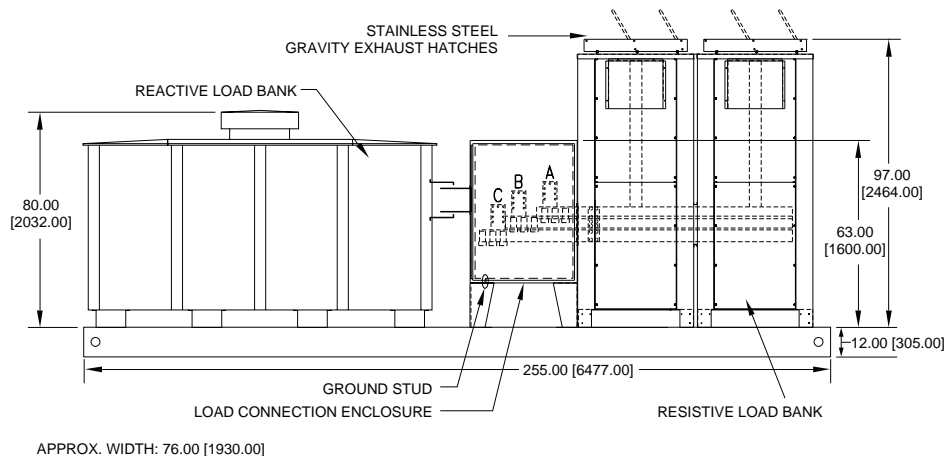
NOTE Standard voltage is 480 VAC, 3 Phase, 60 Hz. Other voltages and frequencies are available. Consult factory.

Load Bank Weight (approx.)

13,000 lbs. [5900 kg]

Options

- SIGMA™ Network Control
- 400 Hz Designs Available



All dimensions are in inches [millimeters].



Emerson Network Power

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EmersonNetworkPower.com/loadbank

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